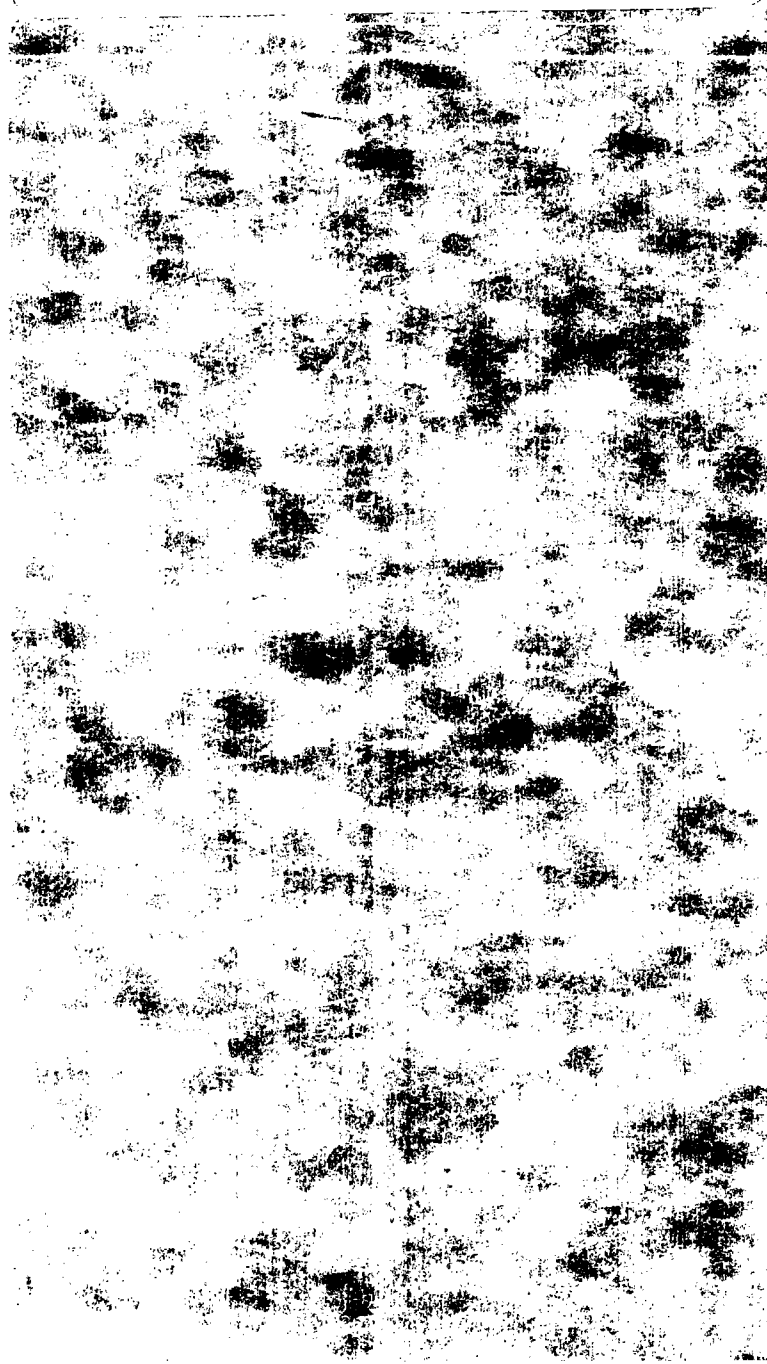


205329

**FIELD OVERSIGHT SUMMARY REPORT  
ACS NPL SITE  
GRIFFITH, INDIANA**

SEPT. 14, 1998 - 17 1998



# Letter of Transmittal

## BLACK & VEATCH Waste Science, Inc.

101 North Wacker Drive, Suite 1100, Chicago, Illinois, 60606, Phone (312) 346-3775, Fax (312) 346-4781

To: Ms. Sheri Bianchin  
United States Environmental Protection Agency  
77 West Jackson Boulevard (HSRW-6J)  
Chicago, Illinois 60604

Date: November 8, 1995  
From: Steve Mrkvicka, BVWS  
Project: American Chemical Services  
Project No.: 71670  
File: C.3

We are sending you: ☒ Attached ☐ Under separate cover via \_\_\_\_\_

☐ Preliminary Report

☐ Specifications

☐ Final Report

☐ Change Order

☒ Other: See Remarks Below

☐ Addendum

These items are transmitted:

☐ As requested

☒ For your information

☐ For your approval

☐ For review and comment

Remarks: Included in this transmittal is BVWS' work oversight summary report for July 19, 1995 and  
October 2, 1995. We apologize for the late arrival of this transmittal. If you have any questions  
or would like to recommend modifications to the work oversight summary report format for  
future reports, please do not hesitate to contact me at 312/683-7849.

Copy To: File

Signed:



November 8, 1995



BLACK & VEATCH  
SPECIAL PROJECTS CORP.

101 North Wacker Drive, Suite 1100, Chicago, Illinois 60606, (312) 346-3775

USEPA  
American Chemical Service Inc.

BVSPC Project 46517  
BVSPC File C.3  
September 28, 1998

Ms. Sheri Bianchin  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region V, SR-J6  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Subject: Field Summary Report

Dear Ms. Bianchin:

Enclosed is a copy of the quarterly groundwater sampling field oversight summary report for your review. Quarterly sampling took place during the week of September 14, 1998, at American Chemical Services Superfund site in Griffith, Indiana. Please call me at 312/683-7857 if you have any questions.

Sincerely,

Chad Gailey  
Proj. Geologist

ctg  
Enclosure

CC: S. Mrkvicka, BVSPC wo/enclosures

t:\projects\acs-rac\letters\let9

K.5  
9/98

## USEPA/ARCS V BVSPC Oversight Summary

Reporting Period September 14 to 17, 1998 Hours Worked: 72 hours  
Site Name/Location: ACS/Griffith, IN BVSPC Project No.: 46517.233  
USEPA Work Assignment Manager: Sheri Bianchin, RPM  
Site Manager: Steve Mrkvicka

Personnel Summary Affiliation	No. of Personnel	Responsibility
Lee Orsorz, Montgomery Watson, Addison, IL	1	Respondent's General Contractor
John Noyes, Judith Kinch, Jennifer Smith, Alex Ellwood Montgomery-Watson, Madison, WI and Addison, IL	4	Field Sampling Crew (for quarterly groundwater sampling)
Steve Mrkvicka, Chad Gailey, Black & Veatch Special Projects Corp, (BVSPC)	2	USEPA Oversight Contractor

### Summary of field activities:

During the weeks of September 14, 1998, Montgomery Watson conducted quarterly groundwater sampling at the American Chemical Services (ACS) Site. One Montgomery Watson field sampling crew was assembled to collect samples from residential wells and monitoring wells within the ACS site boundary, the wetland area, the City of Griffith Landfill, and the areas that lie north, south, and east of the ACS facility. BVSPC's two-man crew conducted oversight of the field activities and also collected split samples from 3 monitoring well and 5 residential wells. A BVSPC representative accompanied the sampling team to ensure that proper sampling techniques were conducted. The SOP and work plan for low flow groundwater sampling was adhered to by the sampling team. The BVSPC representatives collected the appropriate EPA split sample then maintained custody of previously collected samples, which were stored and packaged on ice at the Perimeter Groundwater Containment System (PGCS) treatment building. BVSPC drafted sample paperwork such as chain of custody forms, custody seals, and sample tagging, in addition to overview of

Montgomery Watson's sample paperwork procedures and decontamination set-up and routine.

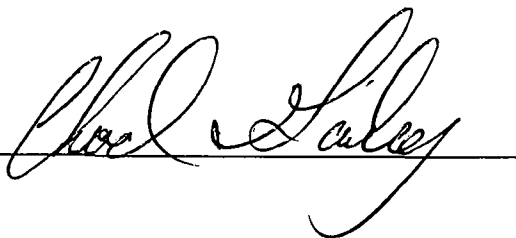
Montgomery Watson collected groundwater samples from 3 monitoring wells, 5 residential wells, and 7 wells for parameters involving their natural attenuation study, plus duplicate samples, matrix spike/matrix spike duplicate (MS/MSD) samples, and field equipment rinsate blanks. The monitoring wells sampled by Montgomery Watson are listed in the field logbook notes, which are attached to this report. Montgomery Watson used the low flow purge technique and monitored for stability of the following groundwater parameters: pH, specific conductance, dissolved oxygen (DO), and temperature. Groundwater turbidity was also monitored and samples were collected when turbidity was 10 nephelometric units (NTU's) or less.

BVSPC, on behalf of EPA, collected groundwater split samples with the following designations: MW-49 (GW01), MW-48 (GW02), 1033 Reder (GW03), 1029 Reder (GW04), 1002 Reder (GW05), 1009 Reder (GW06), 1007 Reder (GW07), and MW-9R (GW08). One equipment rinsate blank collected by Montgomery Watson was also split by BVSPC to ensure that proper decontamination procedures yielded clean sampling equipment. As required by the EPA-approved Mini-Quality Assurance Project Plan, BVSPC collected one duplicate sample at 1007 Reder Road (GW07) and one MS/MSD sample at 1009 Reder Road (GW06).

Trip blanks accompanied each sample shipment containing samples for volatile organic analysis. Three trip blanks were shipped. The samples for the organic analyses were shipped to PDP Analytical Services, The Woodlands, Texas, which was a Contract Laboratory Program (CLP) lab assigned by the Sample Management Office (SMO). The samples for inorganic analyses were hand-delivered to Region V, Central Regional Laboratory, Chicago, Illinois. All samples were designated for low concentration groundwater analyses.

BVSPC representatives noticed monitoring wells did not have a padlock or the padlock was broken and left hanging on the wells' protective tops. BVSPC advised Montgomery Watson that the wells must be secured with a padlock at all times other than during sampling and recommended purchasing new locks. This was noticed at MW-9R and MW-45.

Signature: \_\_\_\_\_



Date: September 28, 1998

(59)

Paul Seiler 9/15/98

7:00 ARRIVED ON SITE

7:30 Montgomery Watson showed up  
Alex in white VAN + John  
Noyes in his own CAR.

Aerial Survey is present  
to shoot in several wells  
AND STAFF GAUGES, FOR MW

8:00 John + Alex went to locate  
AND INSTALL A STAFF GAUGE  
ALONG Rail Road Track to North  
AND WEST OF WATER TREATMENT  
Building 9C IS STAFF GAUGE.

7:50 STEVE MRKVICKA ARRIVED  
STEVE + I GETTING COOLERS  
AND ICE READY FOR SAMPLING

8:15 John, Alex is back from  
INSTALLING STAFF GAUGE, GETTING  
SUPPLIES AND EQUIPMENT FOR SAMPLING  
MW 48, 49, R9

8:30 A ROB ADAMS from MW showed  
up.

8:35 John SCOUTING OUT THE WELL  
MW 48<sup>102</sup> 49

8:45 FOUND well AND NOW SETTING  
up to sample MW 49

Chack Seiler

60

Chael Haley 9/15/98

8:55

John Alex SETTING UP  
the Hydro Lab, Calibrated  
AT FACTOR, Problem with  
hydro lab the bottom  
cell is to small to ACCOMMODATE  
the STIRRING prob. John is removing  
it, will have NO EFFECT ON  
SAMPLING IF The CELL FITS.  
FIT LINE.

9:20

Starting up generator AND START  
GETTING PERMITS

MW-49

INTU C° mscm/cm

Time	TURB	TEMP.	PH	COND	DO
9:26	298.5	16.62	6.35	0.69	3.13
9:28	266.2	17.12	6.39	0.688	2.16

9:30

Picture #1 OF ALEX TAKING  
PARAMETERS MW-49 FACING SOUTH  
WEST, WITH Hydro Lab

Time	TURB	TEMP.	PH	COND	DO
9:30	219.9	17.56	6.43	0.688	2.25
9:32	136.4	17.93	6.49	0.691	2.08
9:34	116.3	17.91	6.47	0.691	2.34
9:36	66.3	18.14	6.57	0.690	2.54
9:38	52.2	18.27	6.48	0.690	2.57
9:40	28.8	18.31	6.49	0.692	2.27
9:42	17.1	18.45	6.59	0.694	2.23

Chael Haley

61

Chael Haley 9/15/98

MW-49	COND	PARAMETERS			
Time	TURB	TEMP	PH	COND	DO
9:44	12.2	18.50	6.50	0.695	2.07
9:46	8.3	18.60	6.51	0.698	2.22
9:48	6.8	18.71	6.61	0.699	2.26
9:50	6.3	18.79	6.47	0.701	2.40

10:00 SAMPLE TIME 9/15/98 MW-49

DISCONNECTING Hydro Lab

10:10 FINISH SAMPLING

10:15 Collecting A Field BLANK  
AT WELL Site MW-49

10:17 Picture #2 Alex Collecting  
FIELD BLANK FACING SOUTH  
Filling VOA

Note MW is Fill all the sample  
BOTTLES.

10:25 FINISH FIELD BLANK  
LOADING up MOVING TO NEXT  
Well MW-48 ACROSS THE TRACKS  
to the NORTH MW-49 is Locked.

10:45 Setting up almost Ready to  
START TAKING PARAMETERS.

Chael Haley

(62)

Chad Saly 9/15/98

10:46

-48 IS LOCATED North

OF THE WATER TREATMENT Building

North OF RAIL ROAD TRACK.

ALSO NORTH OF MW-49.

10:50

Picture #3 John Noyes

ADJUSTING CONTROLLER TO OBTAIN

Low Flow, FACING SOUTH EAST AT MW-48

1

Time	Turb	TEMP	pH	COND	DO
10:52	14.2	17.87	6.52	0.890	3.13
10:54	4.7	17.65	6.51	0.890	1.74
10:56	1.3	17.29	6.51	0.877	1.12

WATER HAS AN ODER (SWIFFER)

10:58 0.0 17.27 6.52 0.867 1.10

11:00 0.0 17.23 6.52 0.855 0.97

11:05 Sampling Well MW-48 = GW02

DISCONNECTED Hydro Lab

Alex is Filling All of The Sample  
Bottles for Both MW + EPA.

Picture #4, John Filling out

Labels for Sample bottles

FACING WEST ON MW-48

MW-48 = GW02

11:20

Finish Sampling, Pick up

Going to lunch

Chad Saly

(63)

Chad Saly 9/15/98

11:25 Head BACK TO WATER TREAT-

MENT Building. Dispose of

Well WATER COLLECTED DURING

Sampling. LOCKED Well MW-48

11:30

Dropping OFF Samples MTB

AND WASTE WATER, Lunch

12:20

BACK FROM LUNCH, MW WENT

TO RENT ATV FOR TOMORROW

13:00

TAKING OFF TO RESIDENTIAL

WELLS, AFTER LOADING Bottles, cadders

13:10

10:33

FRANK FLOYD

FRANK, HAS NOT RECEIVED WATERC

RESULTS FROM EPA.

1033 REEDER ROAD FRANK FLOYD

13:30

Time	Turb	TEMP	pH	COND	DO
13:36	25.0	15.63	6.81	0.857	5.36
13:38	14.2	13.98	6.82	0.853	4.43
13:40	4.2	14.18	6.90	0.856	3.03
13:42	3.3	12.92	6.92	0.856	2.71
13:44	3.2	13.02	6.91	0.856	2.83

13:45 Sample Time, Alex is Fill all

Sample Bottles.

#5 Picture of Alex Filling Bottles

IN Back Room of FLOYD'S

Chad Saly



(64)

~~1033~~

Chad Liley 9/15/98

Note Sampling in Residential  
Well A Section of GARDEN HOSE  
WAS USED TO PERVENT WATER  
FROM FLOODING MR FLOYD'S BACK  
ROOM.

B32 FINISHED SAMPLING 1033 READER RD  
MR FLOYD'S HOUSE.

START NEW BOOK

GW03 = 1033 READER RD

Chad Liley

# CONTENTS

PAGE NO. REFERENCE DATE

14 Bot 9

Chad Lacey 9/15/98 ①

14:15 John Noyes FINISHING  
PAPER WORK FOR 1033 READER  
RD. FRANK FLORES.

14:25 1029 READER ROAD, STOP  
TO SAMPLE WELL FROM SPICET  
ON WEST SIDE OF THE HOUSE  
WEATHER RAINING 70°F  
GL04 = 1029 READER RD  
MELANIE SHARP CLOSER OF HOUSE

Time	Turb	Temp	pH	CONC	DO
14:36	8.2	16.33	7.19	0.0	5.58
14:38	0.0	15.06	7.17	1.12	7.13
14:40	0.0	15.53	7.17	2.16	6.14
14:42	0.0	14.00	7.17	.911	6.76

14:45 SAMPLE TIME GL04  
GL04 = 1029 READER RD  
ALEX IS FILL ALL SAMPLE BOTTLES  
FOR BOTH MW + EPA.

14:56 Picture #6 1029 READER RD  
MELANIE SHARP OF ALEX FILLING  
Poly Facing North, location  
ON WEST SIDE HOUSE, between  
the Garage and House.

Chad Lacey

②

? De La Hay 9/15/98

15:00 MONTGOMERY CRAFTSON IS DOWNING  
A MS/MSD ON THIS SITE.

1029 READER RD.

GWD4 = 1029 READER RD

15:05 FINISH SAMPLING

15:10 WENT BACK TO WATER TREATMENT

BUILDING FOR BATH ROOM BRACK

AND TO DROP OFF SAMPLES TO

STEVE. CHRIS + ERIC FROM

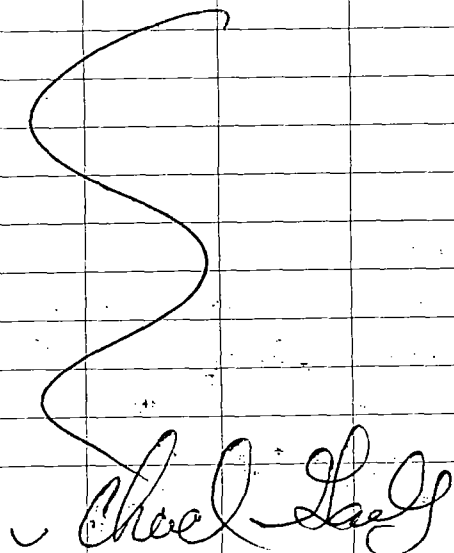
STVSPC WERE JUST LEAVING

THEY CAME DOWN TO LOOK AT SITE  
FOR THE RISK ASSESSMENT.

15:35 ARRIVE 1002 READER RD

TO COLLECT SAMPLE

GWD5 = 1002 READER



③

De La Hay 9/15/98

TIME	Turb	Temp	pH	CONC	DO
15:30	1.7	17.53	7.61	.250	12.09
15:42	1.09	16.51	7.31	.252	6.43
15:44	0.0	15.68	7.27	.925	4.51
15:46	0.0	14.18	7.27	.759	4.88
15:48	0.0	14.23	7.25	.724	4.44
15:50	SAMPLE TIME				

GWD5 = 1002 READER

AUSTGEN OWNER

OF THE HOUSE,

16:05 FINISH SAMPLING

NO PICTURE RAINING TOWARD

16:10 1009 JAMES GARMON NEXT

NOT HOME UNTIL 17:00,

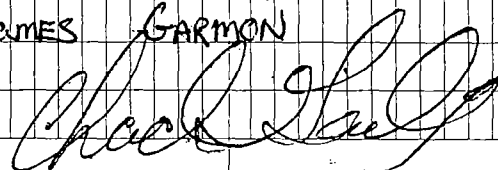
WE GOING BACK TO PACK COILERS

AT THE WATER TREATMENT BUILDING

16:50 PICTURE #7 JOHN FILLING OUT A  
TAGS FOR SAMPLES AND PACKING  
THEM IN THE WATER TREATMENT  
BUILDING FACING NORTH AT THE  
NORTH END.

18:00 ARRIVED AT 1009 READER RD

JAMES GARMON



(4)

Chad Lacey 9/15/98

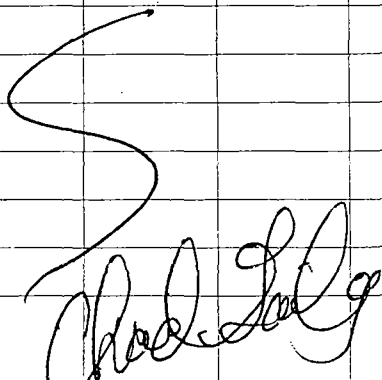
18:02 START SETTING UP ON  
1009 READER RD RESIDENTIAL  
WELL = GWO6 MS/MSD

Time	Turb	Temp	pH	Conc	DO
18:06	6.1	21.46	7.51	0.0	5.46
18:08	0.0	17.94	7.18	0.744	5.47
18:12	0.0	17.62	7.18	0.292	4.45
18:16	0.0	16.87	7.24	0.737	5.63

18:18 START SAMPLING GWO6 =  
1009 READER RESIDENTIAL WELL  
THIS IS ALSO A EPA MS/MSD  
SAMPLE.

18:20 PICTURE #8 FACING NORTH  
AT 1009 READER Rd OF  
ALEX DOING A GRAB SAMPLE  
WITH VOA'S

18:35 FINISH SAMPLING 1009 READER  
ROAD



(5)

Chad Lacey 9/15/98

18:30 Next Setup is Next Door  
to 1009 READER TO THE  
WEST JOHN IS SETTING UP  
OVER THERE while Alex Finish  
filling Sample bottles AT 1009  
READER Rd, GARMON (Brothers)

18:32 1007 READER RD  
SPICET ON WEST side of house

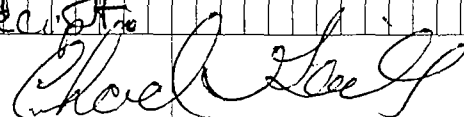
Time	Turb	Temp	pH	Conc	DO
18:34	20.9	18.61	7.39	0.0	13.48
18:36	12.1	17.27	7.32	0.716	5.32

18:38 PICTURE #9 JOHN TAKING  
Perimeters ON 1007 READER  
FACING EAST ON WEST SIDE  
OF THE HOUSE.

18:42	6.2	15.86	7.23	0.701	5.81
18:45	7.4	16.68	7.26	0.253	4.88

18:46 STARTED SAMPLING 1007 READER  
FINISHED SAMPLING THIS  
WAS A Duplicate GWO7 =  
1007 READER.

LEAVING TO GET ICE  
Samples have been Picked  
up by FOL-EX No  
Receipts





⑥

Chad Sunday 9/16/98

7:00 ARRIVED ON SITE AT WATER  
TREATMENT Building  
WEATHER OVERCAST AND  
68°F.

MONTGOMERY WATSON has to  
go and pick up ATV, for sampling.

7:10 John Noyes ARRIVED, John  
ASKED, Too Help Hook up the  
TRAILER TO MW TRUCK,

7:30 Alex ARRIVED WITH ICE AND  
THE VAN.

THE RENTAL (TERPSTRA'S) OPENS  
AT 8:00.

DROINED Cooler from last night's  
SAMPLES, MADE SURE THEY WERE  
ICED DOWN.

TERPSTRA'S 45th & Colfax  
219 838-3600

RENTAL Supplier.

Preping for a DAY OF SAMPLING

8:00 Don From TERPSTRA'S RENTAL  
Not in. He is expected soon.  
Alex is back at the WATER TREAT  
MENT Building Deconing pump  
AND GETTING MATERIAL AROUND

Chad Sunday

⑦

Chad Sunday 9/16/98

9:20 ARRIVED AT MW-45, with  
Alex, John AND my self. These  
ARE Bio well EPA will NOT BE  
SAMPLING this well.

SETTING up is A little involved  
AT this site because of the location.  
this site is IN the MIDDLE OF A FARMERS  
BEAN FIELD. Two trips will have to  
BE MADE TO GET ALL THE EQUIPMENT  
NEEDED.

ATV IS HONDA 300 4X4.

9:38 Alex, John ARE NOW SET UP AND  
ARE TAKING PARAMADARS.

10:00 SAMPLE TIME MW-45.

REMOVE Hydro Lab to SAMPLE  
John is fill SAMPLE BOTTLES.

10:07 FINISH Sampling. Pack up  
MOVING TO MW-41  
Deconing Pump.

10:15 ARRIVED AT MW-41 JUST  
EAST OF MW-45 ACROSS  
A BEAN FIELD  
SAME PROCEDURE Signer Hydro Lab  
to well ATTACH HOSE to Pump

⑧

Chae Laury 9/16/98

10:15 CONT SET UP  
 INSERT Pump HOSE in to well.  
 SECUR Bucket UNDER discharge  
 STREET AND plug in GENERATOR.  
 TAKE PARAMETERS TO SOP Classification  
 THEN SAMPLE WELL AFTER DISCONNECTING  
 Hydro Lab.

10:20 STATED TAKING PARAMETERS

10:35 Well seemed TO GO DRY, John  
 TURN OFF Pump AND is Letting  
 well RECOVER.

10:40 Sampling Well. Remove Hydro Lab.

11:00 FINISHED SAMPLING

Pick up Return to Vans

11:30 LEAVE FOR WATER TREATMENT  
 Bridelung

11:40 John calls Lunch

12:15 Lunch is OVER, STOPED TO  
 GET ICE for Samples.

12:25 Preparing FOR NEXT SAMPLE EVENT.

12:50 ARRIVED AT MW-40 This is  
 LOCATED EAST OF ACS IN the  
 woods. SETTING up TO  
 SAMPLE

Chae Laury

⑨

Chae Laury 9/16/98

12:58 Picture # 10 John Noyes  
 Adjusting CONTROLLER AT well  
 MW-40 FACING WEST TOWD  
 ACS.

THIS IS ALSO A BIO well FOR  
 MW, EPA IS NOT TAKING A  
 SPLIT SAMPLE.

13:00 Alex is taking PARAMETERS  
 WITH Hydro Lab.

\* NOTE MW-40 NEEDS A  
 LOCK, Alex SAID THE CAP  
 WAS DAMAGED PREVENTING THE  
 CAP TO BE CLOSED.

13:15 SAMPLE TIME MW-40  
 UNHOOKED Hydro Lab.

13:25 DONE SAMPLING

NOW LEAVING FOR MW-39  
 This well is to North OF  
 ACS ACROSS STREET FROM the  
 Park ON WEST SIDE of  
 Rd IN the WOODS

DECON Pump, SET up TO  
 Pump well

13:40 Picture # 11 John Noyes Decon  
 Pump at MW-39 Facing North

Chae Laury

10

Chad Laing

9/16/98

13:45

START TAKING PARAMETERS ON MW-39. This is NOT AN EPA split It is A Bio well for MW.

14:20

SAMPLE TIME MW-39

DISCONNECT HydroLab

14:05

DONE SAMPLING

Decon Pump. HOSE IS

DISCARDED AT WASTE TREATMENT Bld

14:50

ARRIVED AT MW-38

THIS IS A VERY DIFFICULT well to get to Follow Path from MW-39 to WEST ACROSS

FENCE AND look to right

Plenty of wood and SWAMP,

15:00

Picture #12 Alex Parameters

MW-38 Facing North EAST

15:15

SAMPLE TIME This is NOT AN EPA split, MW Bio well MW-38

15:20

FINISH SAMPLING

Return to water treatment Bld

Back. Steve Mrkwicka is there.

17:10

LEAVING Site

Alex, John were going to Sample MW-18 AND MW-39.

Chad Laing

1

Chad Laing

9/17/98

7:40

ARRIVED AT Site, The WATER TREATMENT Building is getting A CARBON CHANGE, LEE From MW IS LEAVING TO Fuel up MW TRUCK.

7:45

Arrived John Noyes

7:50

ARRIVED Alex @ GAS FOR AN

Weather to SUNNY AND 71°F

8:50

ARRIVED AT WELL MW-9R-GW08

Alex, John are PRESENT, Steve

Mrkwicka is ALSO present.

Alex, John are inserting pump

down well for sampling

8:55

Picture #13 Alex putting

Pump + hose down the MW-9R

Hose tephlon coated hose

HAZCO Supplier.

FACING East ON MW-9R

Controller for pump is: BRADCO

Bm11/mpl

⑫

Chad Gable 9/17/98

Time	Turb	Temp	pH	Conc	DO
9:02	97.6	13.87	7.12	0.954	12.10
9:04	150.2	14.42	7.04	0.827	7.92
9:06	116.5	14.81	6.89	1.889	7.11
9:08	106.3	15.11	6.83	2.051	6.40
9:10	96.8	16.76	6.74	2.433	6.03
9:12	85.4	16.53	6.76	2.400	6.49
9:14	49.6	16.98	6.75	2.976	4.44
9:16	26.7	17.01	6.74	1.838	4.28
9:18	44.7	16.92	6.73	1.765	3.71
9:20	42.2	16.89	6.73	1.671	4.05
9:22	34.8	16.79	6.72	1.599	3.25
9:24	29.8	16.19	6.72	1.660	3.24
9:26	25.2	16.82	6.71	1.838	3.33
9:28	16.9	16.48	6.72	1.793	3.07
9:30	17.7	16.92	6.71	1.886	2.96
9:32	13.5	16.92	6.71	1.751	2.97
9:34	12.9	15.68	6.70	1.692	3.12
9:35	Sample Time				
9:30	John Noyes went to Repair mw-45 in the middle of Farmer Field Cap would not go on. He has tool and hope it works Alex disconnects Hydro-Lab				

⑬

Chad Gable 9/17/98

9:50 Done Sampling & Clean up  
Pack samples  
This is AN EPA Split mw-9R  
10:00 Well is secure heading back  
to WATER TREATMENT Bldg to  
Pack samples to ship  
11:00 Leave for CLP Laboratory  
to deliver samples  
13:00 Arrive at Lab 536  
South Clark Street  
Chicago IL 60604  
14:00 Left Lab for office to  
CONDENSE AND STORE EXTRA  
COOLERS AND MATERIAL  
All samples ARE SENT TO  
the Lab This will be last  
Day for this sampling EVENT.

Chad Gable



(H)

8:15

Chuck Haley 7/22/88

Late ENTRY OF A chart to show  
the wells EPA split with the

Montgomery Watson

MW-49 = Gw01

MW-48 = Gw02

1033 REDEP = Gw03

1029 REDEP = Gw04

1002 REDEP = Gw05

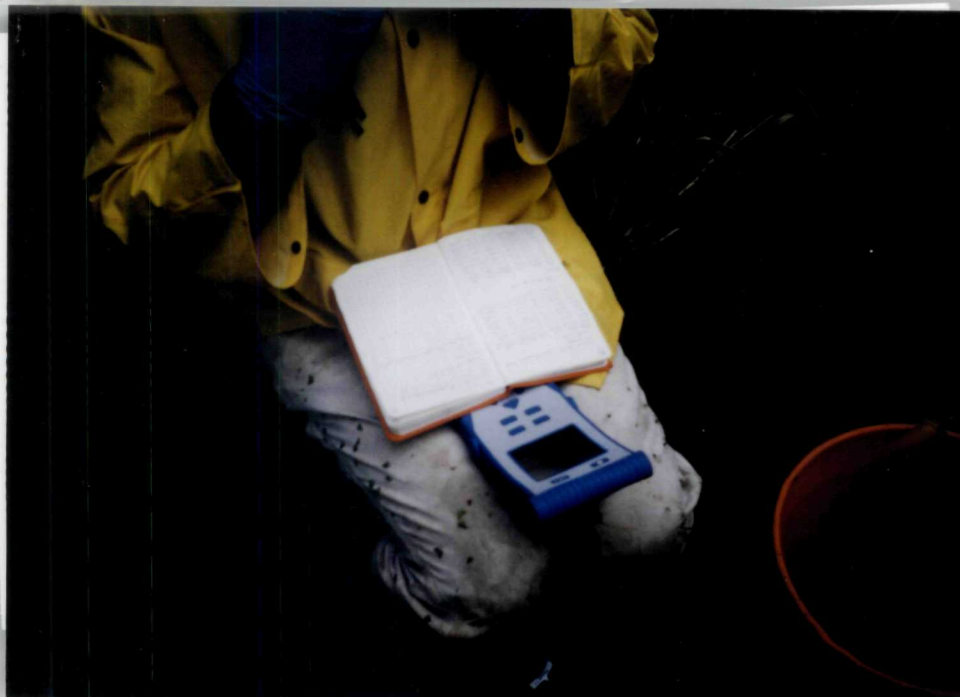
1009 REDEP = Gw06 ms/msd

1007 REDEP = Gw07 Dup

MW-29 = Gw08

There was also a Field Blank.

Chuck Haley



Site: American Chemical  
 Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 1  
 Date: 9-15-98 Time: 09:30  
 Photographer: Chad Gailey  
 Description: South view at monitoring well  
 MW-49 of Alex Ellwood taking groundwater  
 parameters to insure water stability.

Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 2  
 Date: 9-15-98 Time: 10:17  
 Photographer: Chad Gailey  
 Description: South view at monitoring well  
 MW-49 of Alex Elwood collecting a field blank in a  
 40ml VOA.





Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 3  
 Date: 9-15-98 Time: 10:50  
 Photographer: Chad Gailey  
 Description: South East view at monitoring well  
 MW-48 of John Noyes adjusting controller to obtain  
 low flow volume for sampling.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 4  
 Date: 9-15-98 Time: 11:15  
 Photographer: Chad Gailey  
 Description: West view at monitoring well MW-  
 48 of John Noyes filling out labels for sample bottles.





Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 5  
 Date: 9-15-98 Time: 13:45  
 Photographer: Chad Gailey  
 Description: East view at residential well 1033  
 reder road of Alex Ellwood filling sample bottles in  
 the back room located on the north side of the house.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #:6  
 Date: 9-15-98 Time: 14:56  
 Photographer: Chad Gailey  
 Description: North view at residential well 1029  
 reder road of Alex Elwood filling sample bottles on  
 the West side of the house.

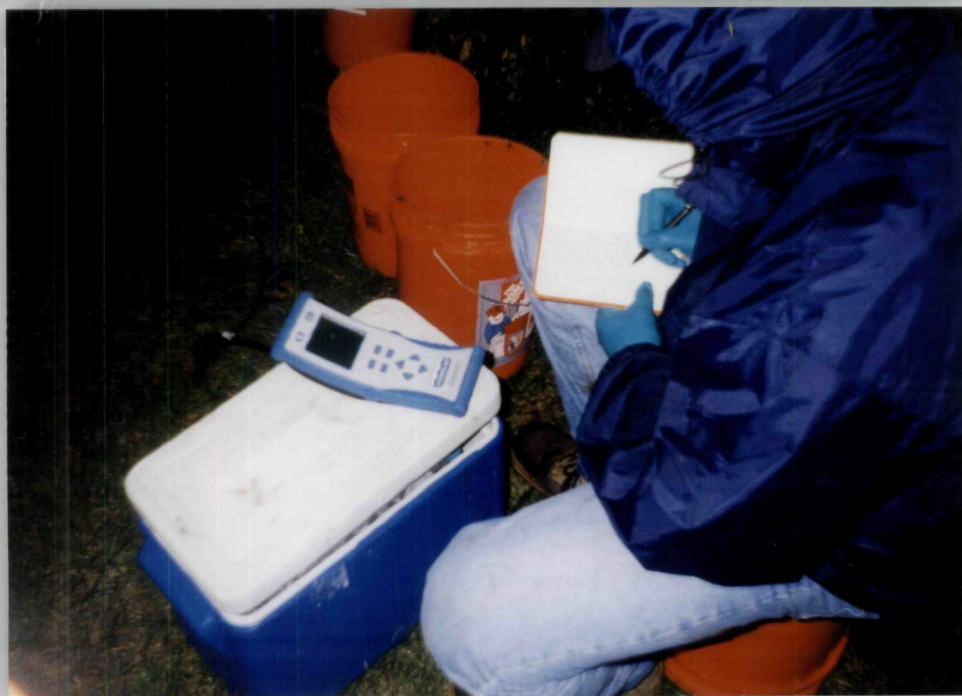


Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 7  
 Date: 9-15-98 Time: 16:50  
 Photographer: Chad Gailey  
 Description: North view at the Water Treatment  
 Building of John Noyes filling out tags for chain of  
 custody and packing cooler for shipping.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 8  
 Date: 9-15-98 Time: 18:20  
 Photographer: Chad Gailey  
 Description: North view of residential well 1009  
 Reder road of Alex Elwood collecting a water sample  
 in a VOA.





Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 9  
 Date: 9-15-98 Time: 18:38  
 Photographer: Chad Gailey  
 Description: East view at residential well 1007  
 Reder road of John Noyes taking groundwater  
 parameters to insure stability.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 10  
 Date: 9-16-98 Time: 12:58  
 Photographer: Chad Gailey  
 Description: West view at monitoring well MW-  
 40 of John Noyes adjusting controller to obtain low  
 flow for grab sample.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 11  
 Date: 9-16-98 Time: 13:40  
 Photographer: Chad Gailey  
 Description: North view at monitoring well  
 MW-39 of John Noyes deconning pump.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 46517  
 Roll: 1 Frame #: 12  
 Date: 9-16-98 Time: 15:00  
 Photographer: Chad Gailey  
 Description: North East view at monitoring well  
 MW-38 of Alex Ellwood taking parameters to insure  
 water stability.





Site: American Chemical Services, Inc. RD/ERA  
Proj. #: 46517  
Roll: 1 Frame #: 13  
Date: 9-17-98 Time: 08:55  
Photographer: Chad Gailey  
Description: East view at monitoring well MW-9R of Alex Ellwood inserting pump and tubing to collect a grab sample from the well.